

in Table 1 of which 21 (those marked with an asterisk in the table in Attachment D #s 1, 7-13, 16-18, 20, 21, 27, 28, 30, 31 and 41-44) do not contain one or more of a rare earth, a group III element or an alkaline earth element. Yet all 42 are made according to the general principals or ceramic science taught by applicants. Two of the 42 materials have a Tc of 25K. Thus a person of skill in the art following applicants' teaching can fabricate materials which avoid the claims allowed by the examiner but not the claims not allowed by the examiner.

Table 1 in attachment C list 7 references as the source of the information on the 42 high Tc materials. Those references are listed below. For references 1-5 Attachments C to H respectively, contain the title page and table of contents of the corresponding books. References 6 and 7 are articles, copies of which are in Attachments H and I respectively.

1. Attachment C
Ginsburg, D.M., Ed., Physical Properties of High-Temperature Superconductors, Vols. I-III, World Scientific, Singapore, 1989-1992.
2. Attachment D
Rao, C.N.R., Ed., Chemistry of High-Temperature Superconductors, World Scientific, Singapore, 1991.
3. Attachment E
Shackelford, J.F., The CRC Materials Science and Engineering Handbook, CRC Press, Boca Raton, 1992, 98-99 and 122-123.
4. Attachment F
Kaldis, E., Ed., Materials and Crystallographic Aspects of HTc-Superconductivity, Kluwer Academic Publ., Dordrecht, The Netherlands, 1992.
5. Attachment G
Malik, S.K. and Shah, S.S., Ed., Physical and Material Properties of High Temperature Superconductors, Nova Science Publ., Commack, N.Y., 1994.

6. Attachment H
Chmaissem, O. et al., Physica C230, 231-238, 1994

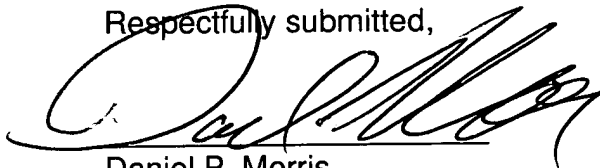
7. Attachment I
Antipov E. V. et al., Physica C215, 1-10, 1993. 231-238, 1994

The is no evidence in these references that the 42 high Tc materials of
Attachment A cannot be made following applicants' teaching.

In view thereof appellants request the Examiner to withdraw the examiner's
rejections of claims under 35 USC 112, first paragraph.

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Respectfully submitted,



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